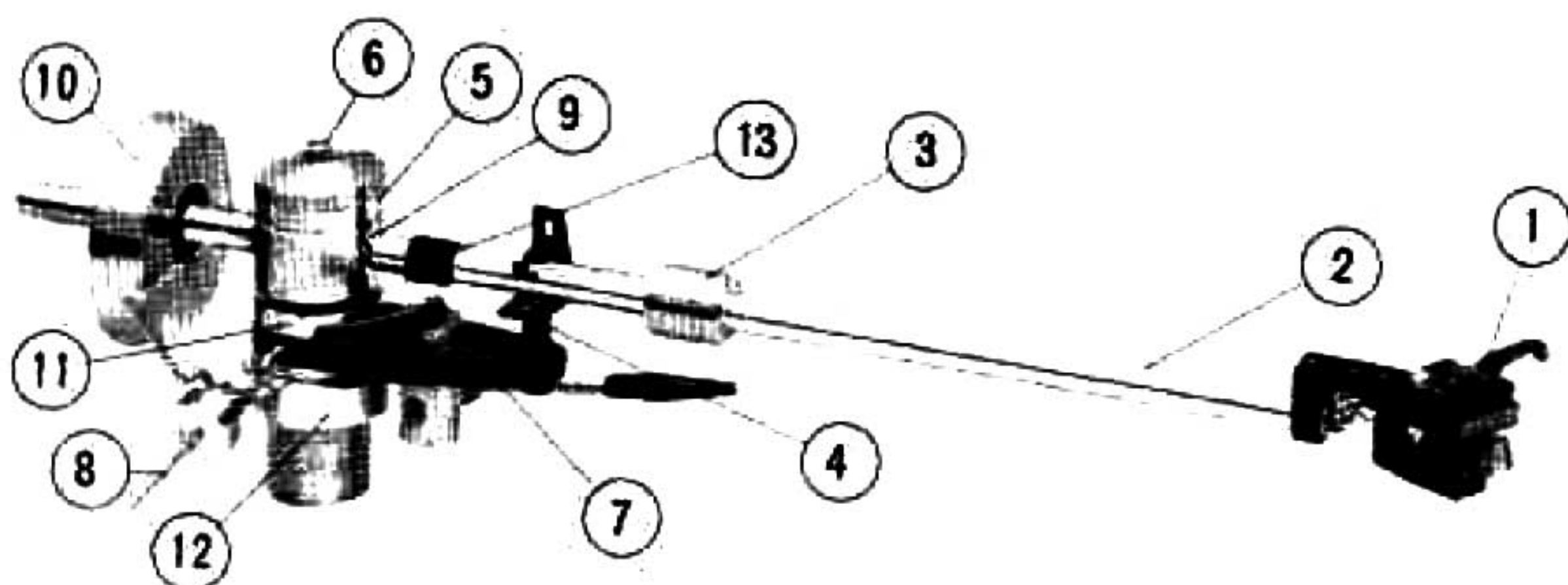


MaywareTM Mk V

VARIABLE MASS SILICONE DAMPED PICK-UP ARM

FOR SUPERIOR DISC REPRODUCTION



- | | | | |
|----------------------------|---------------------|-------------------|-------------------|
| 1. Pointed shape headshell | 5. Bracket Cap | 9. Bracket | 13. Slide Stopper |
| 2. Calibrated pipe | 6. Pivot | 10. Counterweight | |
| 3. Cursor | 7. Lifter platform | 11. Stopper ring | |
| 4. Arm rest | 8. Bias compensator | 12. Arm Stand | |

INSTALLATION INSTRUCTIONS - USE EXTREME CARE

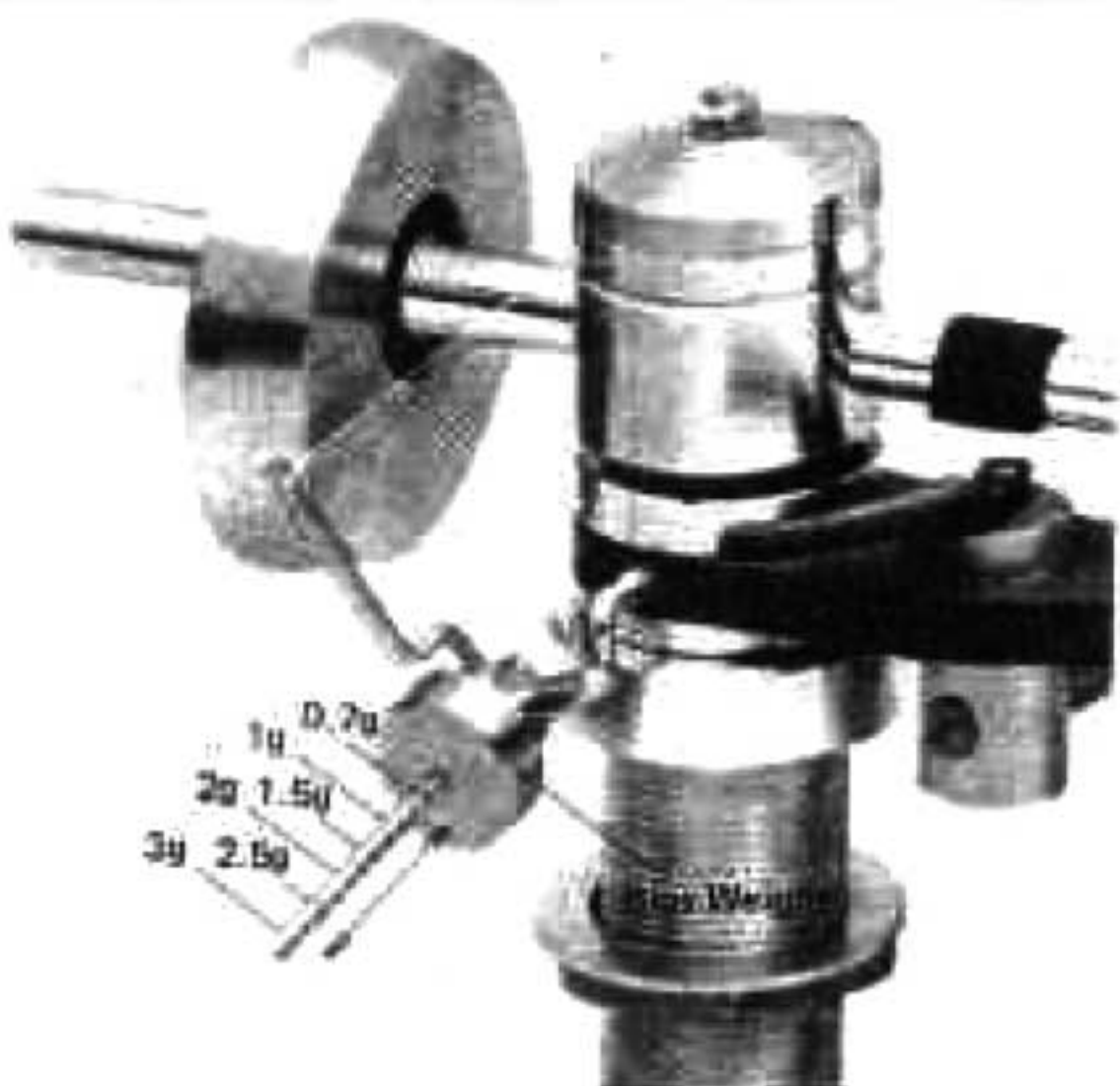
1. With template provided select position on an arc at a convenient point 211.75 mm from centre of turntable spindle at which arm stand (part 12.) will be mounted. At least 65 mm rear overhang is required enabling turntable to be used with lid closed. Drill a hole 20 mm at selected point, install arm stand & tighten hexagonal nut very securely. Arm stand knurled screw should be positioned on the right approx. 4 o'clock
2. From underneath deck push up audio output lead through arm stand and insert into bottom of central arm pillar, lower pillar back into arm stand approx. just over half way taking care that the Bias cantilever (part 8.) does not get entangled and secure with knurled screw. Do not connect. Bias thread until later (see section 6 under setting up procedure). Audio output lead must not exert any pressure on the arm pillar, use a cable tie to clamp lead back on to underneath of the arm stand and then clamp the audio lead to underside of turntable plinth. Connect ground wire to a suitable screw or terminal on the metal turntable chassis. Phono plugs are colour coded RED for Right channel, WHITE for Left channel, ground wire should be connected to the ground terminal on the amplifier. Note: there must be no other ground connection and the system must be connected to main ground by one path only usually from amplifier via the earth pin of the mains (U.K.) additional paths to ground will increase hum.
3. Push counterweight (part 10.) on to the rear of arm approx. half way. The counterweight is eccentric and the smaller section must be uppermost and the screw should face inwards for easy adjustment (Do not overtighten screw). Large portion of counter weight must hang downwards.
4. Install cartridge in headshell (part 1.) It is essential to protect stylus at all times during installation and adjustment. Headshell can be removed by use of alien key supplied. Select screws of appropriate length, fit the nuts but do not tighten fully just yet, the stylus should be positioned directly underneath the point of the headshell for correct overhang. Carefully insert leadout wires back through headshell mounting hole with tweezers and push headshell back on to arm pipe, front edge of pipe should be flush with front of headshell, red spot on pipe is for vertical alignment.
Be very careful when pushing pin jacks or terminal tags on to the cartridge pins with tweezers, the colour code of leads are RED Right channel signal, WHITE Left channel signal, GREEN Right channel ground, BLUE left channel ground. (see further instructions under Setting up procedures)

SETTING UP PROCEDURES

1. Unscrew bracket cap (part 5.) may be already removed in some packs. It can be seen that the top of the central pillar or column contains a small reservoir with a jewelled bearing at the bottom. Also note the cut out in the central pillar in to which the arm pipe projects slightly. This cut out must always be positioned so that the arm will move freely from outer edge of record inwards towards turntable spindle. Fill the reservoir say three quarters full with the silicone fluid supplied. It is preferable that the silicone grease does not come in to contact with the outside of the arm as it is greasy and migratory. Always remove this grease if transporting the arm in a non upright position. Before screwing the Bracket cap back (part 5.) ensure the pivot lock nut is tight.
2. VERTICAL AND LATERAL BALANCE - Adjustments are made with the arm in a state of zero or even balance

and the cursor (part 3.) must be right back against the rear stop pimple. It is advisable at this time to ensure that the turntable and mounting board are perfectly level (replace stylus if previously removed) With arm free of rest (part 4.) height adjustable, move the counterweight backwards or forwards for vertical balance, arm should remain virtually stationary in the horizontal position, and rotate the counterweight slightly for lateral balance until the bottom edge of the bracket (part 9.) is lined up parallel to the edge of the stopper ring (part 11.) Do not apply excessive force to the counterweight screw, it must be reasonably tight but do not over tighten.

3. Hydraulic Lift & Lower Device — The height can be adjusted if necessary up or downwards according to the cartridge used by means of a grub screw located in the lifter platform. **DO NOT OVERTIGHTEN**
4. **TRACKING FORCE** — is achieved by sliding the cursor (part 3.) along the calibrated arm pipe each small indentation represents 0.1 gm. each red dot 0.5 gm. Alternatively for lowest mass with high compliance cartridges leave cursor in rearmost position & bring counterweight closer to the pivot, being careful not to upset the lateral balance. Use separate stylus force scales. Using the knurled screw of the arm stand adjust height until the arm pipe and top of headshell are parallel to the record surface, correct height will leave sufficient room for cursor to traverse record whilst tracking a warped record. Always use cartridge manufacturers highest rated tracking force to prevent mistracking on heavily modulated grooves and so prevent wear. Adjust cartridge for vertical alignment on an old record. See that cartridge is set correctly in headshell, stylus should lie directly underneath headshell shaped point, ensure stylus is perpendicular to the record groove when viewed from the front. Adjustment in accordance with these instructions does not imply that the stylus will be perpendicular to the groove when viewed from the side. Normally it will be at a small angle of rake approximately 15° to 20° from the vertical when under its correct tracking pressure. Now firmly secure headshell on to arm pipe with alien key supplied nice and tight **BUT DO NOT USE EXCESSIVE BRUTE FORCE**, Ensure stylus is still perpendicular when viewed from the front.
5. **TRACKING ERROR** — Use the alignment protractor supplied on top of old record for minimum distortion at 63.500 mm (2.500") from record centre, place locating hole of protractor over turntable spindle, rest stylus in pin prick as indicated (stylus should be directly under headshell point) view from above, slide cartridge with extreme care until sides of cartridge are parallel to heavy lines on protractor, tighten up the screws firmly to secure cartridge in correct position. Finally with arm secured in the arm rest, use slim nosed pliers to hold the fixing nuts and tighten screws with screwdriver very firmly but again do not use **EXCESSIVE BRUTE FORCE**. Check stylus pressure with good gauge in case arm has not been exactly balanced correctly or it may be out of perfect balance due to subsequent adjustments. The secondary grub screw in the arm stand can now be secured.
6. **BIAS COMPENSATOR** - Operating instructions:



1. Place nylon thread along the groove on back of the bracket and then on to the hook.
2. Move bias weight forward or backward until it corresponds to the stylus pressure being used. The bias force calibration is from 0.7gm to 3gm each line corresponds to 0.1 gm the maximum force is achieved when the weight is at the end of the rod.
3. Take off the thread when balancing the arm. **ALL** Bias force compensation systems are a matter of compromise and a test record may enable more precise adjustment.

7. **CUEING** — Due to the very low friction inherent in the unipivot it may be found that the arm drifts outwards when cueing due to the bias torque from the leadout wires in the arm, this is of no consequence. It helps if the cartridge makers highest rated tracking force is used and it is essential that the arm pipe slide stopper sits squarely on the radial bar of the lifter device.

Mayware MK V Geometric Specifications

Effective length - 229 mm
 Stylus Overhang - 17.25 mm
 Turntable spindle to centre of arm mounting distance — 211.75 mm
 Offset angle 23° 31'
 Optimised for minimum distortion 12" LP discs.
 Align cartridge for zero error at 63.5mm (2.5").
 Mounting hole diameter 20 mm
 Phono cable capacitance approx. 112pF per channel.